Multivista's Exact-Built™ System

What is the Innovation?

Multivista's Exact-Built™ System is a state-of-the-art indexing and navigation system with inspection-grade, high-resolution digital photography designed to capture actual conditions throughout construction and at critical milestones. The system combines a series of several "shoot types" which creates a comprehensive, permanent record of an entire construction project, from ground-breaking through completion. The shoot types include progressions which are a series of images taken at predetermined intervals throughout the duration of construction to broadly document all interior and exterior progress as well as Exact-Builts™ which consist of a series of overlapping images that are preformed at critical milestones to memorize exact project conditions. The shoot types incorporate a Site Survey, Pre-Slab, MEP, Elevation, Finished Conditions and Slideshows which encompass an executive summary that may be deemed invaluable to the stakeholder. Multivista makes CAD files interactive using proprietary software, allowing the entire team the ability to securely access thousands of photographs instantly through a password-protected login on any internet connection.

Where and when did the Digital Exact-Built™ Documentation System Originate?

Multivista was founded in 2003 with primary operations in Vancouver Canada. In 2006, a domestic corporate headquarters was established in Phoenix, AZ. The Multivista Exact-Built™ System was developed and continues to develop under a multi-faceted corporate team with experienced professionals in fields of development, construction, finance, law, technology and marketing. Luis Pascual, CEO and founder of Multivista, was an electrician by trade. He believed there were more efficient ways to organize and access the job. Until Multivista, most contractors have relied on hard copy photos stored in a box somewhere or in a computer folder to provide an often unmanageable and disorganized account of construction progress. The Exact-Built™ system organizes thousands of photographs taken over the course of the project and makes it easy to reference them. After utilizing the Exact-Built™ System on projects of Phoenix Developer David Stadnik (now COO of Multivista), it became obvious that not only was the product a more efficient way to document a project site, it was more cost effective, time saving and lead to international expansion including over 40 offices throughout the US and Canada.

Where has it been used and how is expected to be used in the future?

The Multivista Exact-Built™ innovative solution is already being utilized by some of the largest builders in the United States and is being implemented as best practice in quality assurance/quality control processes nationwide. In 2010 alone, the Multivista Exact-Built™ system was employed on over 140 million square feet of projects across all major markets including Government (military facilities, transportation, bridges, utilities, water/sewage treatment plants), Education (K-12, higher education/college, universities), Healthcare (hospitals, assisted living, imaging centers), Housing (single and multiple family housing), and Private Investments (hotels, offices, retail, recreation).

According to the Construction Industry Institute's "Assessment of Owner Project Management Practices and Performance" survey, about one out of every three projects is over budget and/or behind schedule. Each day of delay on the construction project can lead to thousands of lost work hours. Delays are typically the result of communications, design or trade inefficiencies. They cause a chain of critical path setbacks that affect all of the project stakeholders. With Multivista's Exact-Built™ System all stake holders can view the project remotely and tag notes to specific images, providing transparency during construction. This helps to excel the decision making process when delays such as design changes, defective installations or differing site conditions occur. Additionally, RFI's typically can take about seven days to resolve. Utilizing the Exact-Built system and Team Talk™ as a collaborative tool to track the project's progress will shorten the weeklong RFP process to as little as one day, potentially saving hundreds of thousands of dollars.

Why is this Digital Exact-Built™ Documentation System Innovative?

By having an independent third party organization photographically document the entire project at every stage of construction, owners and contractors alike will get a better built facility with less change orders, higher quality installations, better as-built documentation and a complete record of the project should there be quality issues, schedule delays, unsubstantiated change orders, legal claims or disputes. The Multivista Exact-Built™ system keeps the entire construction team accountable and provides a more transparent project to ensure maximum efficiency, monitor materials and track trades adherence to timeline as specifications. Additionally, the system increases and optimizes team collaboration. With the Exact-Built™ documentation system Team Talk™ Feature, all stake-holders are able to access any photo through any phase of the project and either tag the photo with detailed information for their own use or share the information with all others. The photos with or without comments can be emailed immediately; allowing for a fluent communication flow to all team members for the duration of the project.

What has the Digital Exact-Built™ Documentation System replaced?

The Multivista Exact-Built System saves time and money. It replaces the amount of time needed to "walk" the project, and destructive testing that may be necessary to identify and resolve a problem. Multivista's Exact-Built™ System replaces the common As-Built, or often "as-remembered," with an exact memory of systems and components within the floors, walls, and ceilings of a project.
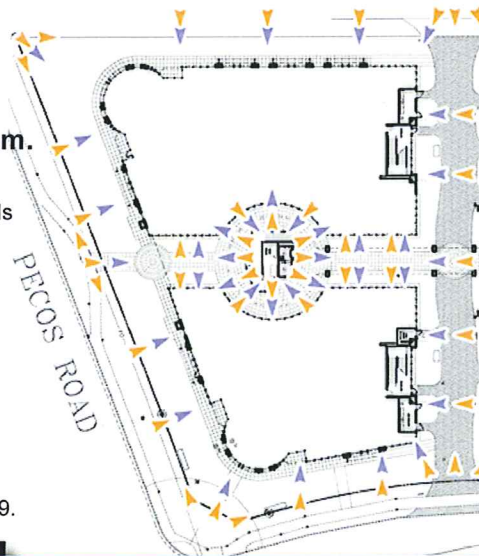
MULTIVISTA
CONSTRUCTION DOCUMENTATION

**Multivista's Exact-Built™ System
2011 Nova Award Nomination**
CONSTRUCTION INNOVATION FORUM

State-of-the-art interactive architectural plans create a permanent record of your entire project that is indexed by both time and location with Multivista's Exact-Built™ system.

Our proprietary technology makes your CAD files come alive by indexing thousands of high-resolution, inspection-grade photographs that are readily available via our secure, online server. This gives you the ability to remotely access your project at anytime. Use features such as TeamTalk™ and 4 – View Print/ Email to collaborate and share project updates with all construction stakeholders. Operating internationally, Multivista has documented more than 260 million square feet in all major vertical markets since 2009.

EXTERIOR PROGRESSION PHOTOS

PECOS ROAD

How does Multivista work?

View ANY point of your construction process by clicking on any point on your architectural drawings to access high-resolution, date stamped photos from that perspective. Your project record is easily accessible online, 24/7, via our web-based interface.

August 1, 2010

June 6, 2010

January 3, 2010

December 6, 2009

November 8, 2009

INTERIOR PROGRESSION PHOTOS

July 25, 2010

The Multivista Exact-Built™ system creates a comprehensive, perfect memory of your project that captures the exact construction conditions on site from groundbreaking through completion.

April 18, 2010
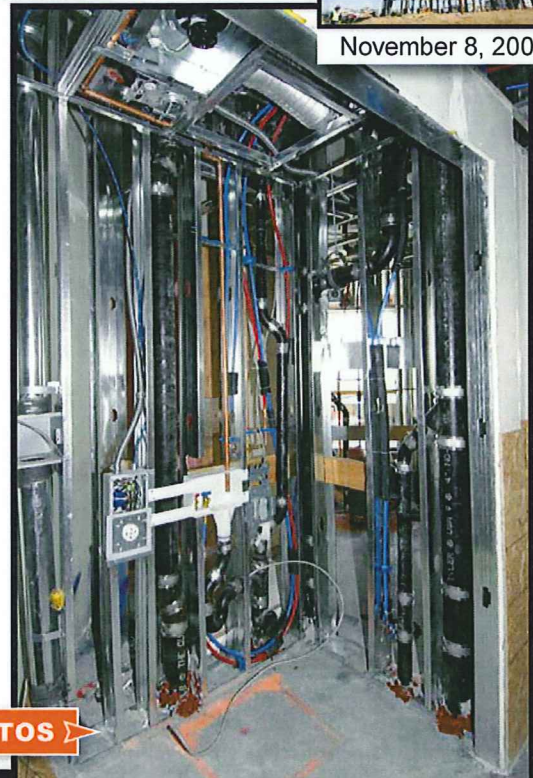
Why use Multivista?

During Construction:
➤ Team Communication
➤ Monitor Progress Remotely
➤ Monitor Critical Path
➤ Track Trades
➤ Scheduling
➤ RFI Specificity
➤ Change Order Applications
➤ Pay Applications/Draw Oversight
➤ Troubleshoot and Repair
➤ Real-Time Collaboration
➤ Marketing and Promotional

Post-Construction:
➤ Easy-to-Use Permanent Record
➤ Construction Defects
➤ Warranty Issues
➤ Dispute Resolution Mitigate Statute of Repose Risk
➤ Future Project Planning
➤ Maintenance
➤ Marketing and Promotional
➤ Facility Management

February 21, 2010

March 24, 2010

INSPECTION-GRADE HIGH-RESOLUTION PHOTOS

www.multivista.com